

## The 'Shorthorn' Brief

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### Your Canadian Shorthorn Association News

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On or about September 10<sup>th</sup>, the new BOLT One Step EPDs will be displayed on each animal to everyone logging in to the Canadian Shorthorn Association's Digital Beef Registry.

As we have explained in previous communications, these EPDs will in many instances be noticeably different from the old values. In particular, inclusion of genomic DNA data when available, and the BOLT One Step method of calculation, together, are responsible for significant increases in accuracy of the resulting values.

What to watch for:

- EPDs will be updated weekly (usually at the beginning of the week).
- Breed averages are updated quarterly; they will be available in a few weeks.
- Approximate breed averages as of last month are included for reference; also, the line under the EPD number, marked "% rank" will give a good indication of where an animal stands relative to the total number.
- In a few weeks time, animals with a genomic DNA on file will see their EPD values highlighted in yellow. As you will read in the attached article, this greatly increases EPD value and accuracy. It is strongly recommended that the required higher level DNA, used to produce genomically enhanced EPDs, be requested when you contact the registry staff to order DNA kits.
- If you see anything that looks odd, wrong, or missing, please email Dan Stephenson [djstephenson1@gmail.com](mailto:djstephenson1@gmail.com) with the animal's name and registration number and briefly explain the issue. For the next several weeks, Dan will be receiving and coordinating queries. Later, the Registry staff in Calgary will handle EPD questions (it is very fortunate that the Canadian Limousin Association is also on the same genetic evaluation (EPD) program as we are).
- Please take the time to read the two-page article written by IGS [here](#). It is very informative and easy to read. Also, in the links below the article are other references you may find useful and interesting reading.

As fall show and sale season is approaching quickly, we would also like to remind you to make sure you have any testing requirements and/or paperwork submitted early to ensure your registrations are completed when you need them.

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## Shorthorn Breed Averages August 2018

<b>Active Sires</b>																	
Expected Progeny Differences																	
Growth and Maternal									Intake and Carcass					Index Values			
	CED	BW	WW	YW	Milk	TM	CEM	STAY	YG	CW	CREA	MARB	CFAT	CEZ	BMI	F	Fescue
Num Animals	841	841	841	841	841	841	841	841	786	786	786	787	787	799	749	749	
High	25	8.7	88	134	33	79	18	27	-0.10	25	0.63	0.39	-0.01	88.66	170.78	70.19	0.00
Average	9	1.3	54	80	19	46	5	13	-0.31	-12	0.00	-0.03	-0.09	30.30	121.26	53.57	0.00
Low	-5	-6.7	24	33	6	27	-10	3	-0.61	-46	-0.54	-0.32	-0.17	-19.90	70.10	39.29	0.00

  

<b>Active Dams</b>																	
Expected Progeny Differences																	
Growth and Maternal									Intake and Carcass					Index Values			
	CED	BW	WW	YW	Milk	TM	CEM	STAY	YG	CW	CREA	MARB	CFAT	CEZ	BMI	F	Fescue
Num Animals	4819	4819	4819	4819	4819	4819	4819	4819	4126	4126	4126	4151	4151	4723	4003	4003	
High	22	10.2	89	134	37	79	16	24	0.01	39	0.78	0.38	0.01	75.10	166.37	71.33	0.00
Average	9	1.6	53	79	19	46	5	11	-0.31	-11	-0.01	-0.04	-0.09	29.55	119.95	53.29	0.00
Low	-3	-6.6	29	37	-2	27	-9	1	-0.62	-37	-0.36	-0.29	-0.14	-14.30	78.35	42.50	0.00

  

<b>Non-Parents</b>																	
Expected Progeny Differences																	
Growth and Maternal									Intake and Carcass					Index Values			
	CED	BW	WW	YW	Milk	TM	CEM	STAY	YG	CW	CREA	MARB	CFAT	CEZ	BMI	F	Fescue
Num Animals	6713	6713	6713	6713	6713	6713	6713	6713	5440	5440	5440	5465	5465	6941	5615	5615	
High	22	8.3	80	126	34	81	14	22	-0.09	32	0.60	0.30	-0.03	79.98	166.02	66.95	0.00
Average	9	1.4	54	81	19	46	5	12	-0.30	-11	0.00	-0.03	-0.09	30.36	121.57	53.96	0.00
Low	-2	-6.9	23	38	8	33	-5	1	-0.51	-29	-0.36	-0.43	-0.13	-9.87	84.25	40.70	0.00

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**registry@canadianshorthorn.com**  
**Office hours:**  
**8:30 - 4:30 Monday to Friday - September - March**  
**8:30 - 4:30 Monday to Thursday - April - August**

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